

## Message Text

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PAGE 01 STATE 015508  
ORIGIN SS-15

INFO OCT-01 ISO-00 OES-07 PM-05 ACDA-12 CIAE-00 INR-07  
IO-14 L-03 NSAE-00 NSC-05 EB-08 NRC-07 SOE-02  
DODE-00 DOE-11 SP-02 EPA-04 /103 R

DRAFTED BY T/D:DHAFEMEISTER:DD  
APPROVED BY OES:JBORIGHT  
-----070137 200028Z /20

P 192306Z JAN 78  
FM SECSTATE WASHDC  
TO AMEMBASSY CARACAS PRIORITY  
AMEMBASSY TOKYO PRIORITY  
AMEMBASSY SEOUL PRIORITY  
AMEMBASSY BRUSSELS PRIORITY

UNCLAS STATE 015508

USEEC

E.O. 11652: N/A

TAGS:ENGR, TECH, MNUC

SUBJECT: PAPERS FOR WORKING GROUP 8

1. PLEASE CONTACT THE INFCE/WG-8 DELEGATE IN PARAGRAPH 3 WITH MESSAGE IN PARAGRAPH 2.
2. PLEASE ADD THIS PAGE RIGHT AFTER THE COVER PAGE OF INFCE/WG-8/USA/DOC 3 FOR THE VIENNA MEETING ON JANUARY 30-FEBRUARY 1.

PREAMBLE

THIS PAPER PROPOSES TECHNICAL AND ECONOMIC DATA AND ANALYSIS FOR USE IN COMPARING THE NUCLEAR SYSTEMS CONSIDERED  
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IN INFCE. IT SUGGESTS THAT A RELATIVELY DETAILED SET OF CHARACTERISTICS BE DEVELOPED FOR EACH SYSTEM. AN ALTERNATIVE TO THIS APPROACH IS TO CONCENTRATE ON COMPARING THE CHARACTERISTICS OF MOST INTEREST TO INFCE, USING A DIFFERENTIAL COMPARISON TO ESTABLISHED SYSTEMS (SUCH AS THE LWR AND HWR) WHERE POSSIBLE. THIS WOULD AVOID THE REPETITIVE ANALYSIS OF DESIGN CHARACTERISTICS THAT ARE COMMON TO

MANY SYSTEMS.

IN MAKING THE INFCE COMPARISONS IT WOULD STILL BE APPROPRIATE THAT A SELECTED SET OF INFORMATION, PERTINENT TO THE PRIMARY ASSESSMENT FACTORS UNDER CONSIDERATION, BE DEVELOPED FOR EACH NUCLEAR SYSTEM. THIS SELECTED SET, MUCH MORE LIMITED THAN THAT SET FORTH IN THE BODY OF THIS PAPER, WOULD INCLUDE OVERALL DESCRIPTIONS OF THE REACTOR AND FUEL CYCLE FACILITIES, AS WELL AS SPECIFIC INFORMATION ON RESOURCE UTILIZATION, FLOW OF NUCLEAR MATERIALS, AND OTHER AREAS TO BE DETERMINED BY THE WORKING GROUP. ON THE OTHER HAND, IN AREAS SUCH AS COSTS, NUCLEAR SAFETY, AND ENVIRONMENTAL IMPACTS, IT WOULD NOT BE INTENDED THAT INFORMATION BE DEVELOPED AT A LEVEL OF DETAIL COMPARABLE TO THAT RESULTING FROM A DETAILED DESIGN OF EACH SYSTEM BEING COMPARED. INSTEAD, THE DETAILED SET OF DATA IDENTIFIED IN THIS PAPER CAN SERVE AS A CHECK LIST TO ASSURE THAT ALL PERTINENT CHARACTERISTICS ARE CONSIDERED, AT LEAST ON A DIFFERENTIAL BASIS; MORE DETAILED ASSESSMENTS WOULD BE NEEDED ONLY WHERE THE DIFFERENCES HAVE SUBSTANTIAL IMPACT. THUS THIS PAPER ASKS FOR MORE DETAIL THAN WILL PROBABLY BE APPROPRIATE FOR MANY CONTRIBUTED PAPERS.

3. NAMES: CARACAS - MICHAEL VAISMAN, CONSEJO NACIONAL PARA EL DESARROLLO DE LA INDUSTRIA NUCLEAR (NATIONAL COUNCIL FOR THE DEVELOPMENT OF NUCLEAR INDUSTRY),  
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## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 jan 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** PAPERS  
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**Decaption Date:** 01 jan 1960  
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**TAGS:** ENRG, TECH, MNUC  
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**Review Markings:**  
Sheryl P. Walter  
Declassified/Released  
US Department of State  
EO Systematic Review  
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